



OG-Tech is a leading system integrator in the Middle East and Gulf area, founded in 2007 as an information technology firm within the Osman Group companies covering construction, trade, agriculture and more.

OG-Tech is one of Egypt's pioneers in RFID technology and they built what would be known as the Smart Gate access control solution.



Smart Gate is an RFID powered vehicle access control application that allows users to enter a designated area through automatic identification.

*Maged Mourad*, OG-Tech engineer based in Giza

### Project Summary

#### Company

OG- Tech for Tiba the developer of La Vista 3 residential resort

#### Market

Real Estate (Gated Community)

#### Location

Red Sea east of Cairo



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# RFID tracking tags used for gated community security in Egypt

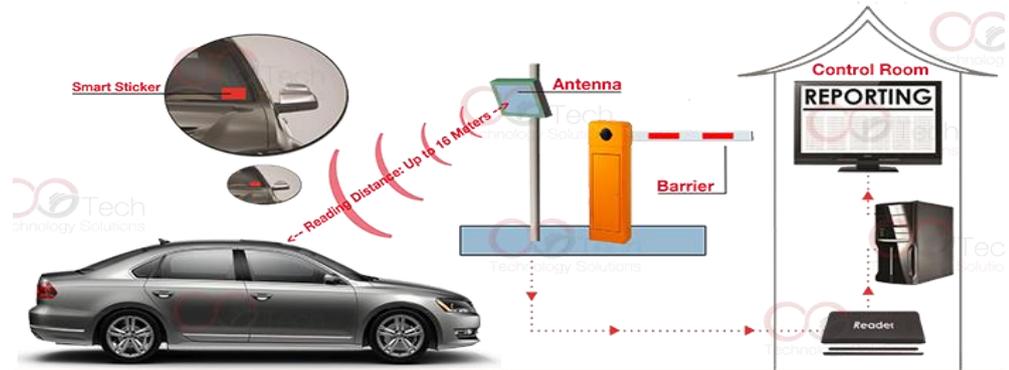
**Windscreen (RFID) Radio Frequency Identification tags controls vehicle access**

**Opportunity:** increase security by controlling vehicle access into prestige resort Egypt has seen gated community development follow the same mass trend experienced in the United States. Over the past 30 years, more than 200 gated communities have been established along the coast and elsewhere. Most are privately built and maintained, including the walls, fences and access points are typically guarded or remote controlled gates.

As the Egyptian market need for controlled access grew, real estate developer Tiba approached Giza based OG-Tech about a gate solution that would match the prestige of their La Vista 3 resort on the Red Sea east of Cairo

**Solution:** RFID windscreen tags grant access to moving vehicles

Smart Gate delivers hardware and software customised to the application for medium to long range RFID readers, a variety of motorised gates, RFID tags for vehicles, a range of software packages and an encoding station to put vehicle data on each RFID tag.



The solution was developed in just two months being six weeks to import the components and two weeks for installation, software development and training of the security people to use it.

Today, it remains differentiated from other access control solutions in that it will grant access to moving vehicles and that it uses high quality Windscreen RFID tags supplied by **METALcraft**.

OG-Tech engineer Maged Mourad required RFID tags that would attach to windscreens. He knew access cards would be misplaced by users and wanted an RFID tag that is always adhered where it's needed.

The RFID windscreen tag helps OG-Tech identify vehicles at distances of up to 10 metres and store vehicle related data on each tag for extra security. These tags are custom printed for OG-Tech customers, providing an opportunity to promote a business or community with the logo, website, phone number and other information.

**Result:** RFID windscreen tags improve security while maintaining quick access OG-Tech has completed six installations to date, all are a cost effective means to maintain security while improving traffic flow at peak gate hours and automating data capture and reporting.

Some installations are integrated with other on site IT systems and some include cameras to capture gate events. They've also begun installing plasma screen TVs at gates to provide messages and reminders for resident while passing through the gate, reminding people to pay maintenance fees for example.

Maged Mourad knows their solution fits anywhere there is a need for increased security, like offices, manufacturing facilities and other locations where it's important to quickly and reliably verify the identity of vehicles while keeping things simple for managers and users. OG-Tech continues to add software and mechanical features like a tyre killer.

All installations rely on **METALcraft's** Windscreen RFID tag to durably perform in desert and coastal environments.

*"The RFID windscreen tags are performing perfectly,"* said Maged Mourad.

Contact Peter Laws for more information on idtracon's barcode and RFID custom solutions.